

REMARKS

Claims 10-27 are pending in this application. Claims 10-14, 17 and 19 are allowed. By this Amendment, claims 15 and 27 are amended. Reconsideration based on the above amendments and following remarks is respectfully requested.

Applicant appreciates the courtesies shown to Applicant's representatives by Examiner Awad in the April 13 telephone interview. Applicant's separate record of the substance of the interview is incorporated into the following remarks.

Reconsideration based on the above amendments and following remarks is respectfully requested.

I. The Claims Define Allowable Subject Matter

The Office Action rejects claims 15 and 18 under 35 U.S.C. §102(b) as being unpatentable over U.S. Patent No. 5,192,945 to Kusada. Applicant respectfully traverses this rejection.

It is respectfully submitted that Kusada fails to disclose or teach all of the features recited in claim 15.

As discussed during the April 14 interview, Kusada fails to teach performing the A/D conversion of the analog signals that are held in the analog sample and hold circuit.

Examiner Awad stated that Kusada teaches that the video signals VB, VR and VG in Fig. 14 are output to the analog sample and hold circuit 151 shown in Fig. 13. Thus, following this reasoning Kusada teaches performing A/D conversion (performed by the line memory circuit 142) of Fig. 14 before sampling and holding an analog signal.

In contrast amended claim 15 recites that the A/D conversion circuit (A/D converters) perform A/D conversion after the sampling circuits sample and hold the analog signal.

In addition, Fig. 11 of Kusada clearly shows that the analog video signals VB, VR and VG are input into the line memory circuit 142 of Fig. 14 and the video signals V1, V2 and V3

are output by the line memory circuit 142 through the source drivers 143-146, of Fig. 13. The Office Action interprets this to mean that the analog sample and hold circuit 151 of the source drivers 143-146 of Fig. 13 outputs the analog video signals V1, V2 and V3 through the line memory circuit 142 of Fig. 14, when in fact the opposite is true.

It is respectfully submitted that since claim 18 depends from claim 15, claim 18 is allowable at least for the same reasons stated regarding claim 15.

Withdrawal of the rejections of claims 15 and 18 is respectfully requested.

The Office Action rejects claims 16 and 20-27 under 35 U.S.C. §103(a) as being unpatentable over Kusada, in view of U.S. Patent No. 6,256,024 to Maekawa. This rejection is respectfully traversed.

Regarding claims 16 and 20-23, it is respectfully submitted that since these claims depend from claim 15, that these claims are allowable at least for the reasons stated regarding claim 15.

Regarding claim 27, it is respectfully submitted that Kusada is deficient for the reasons stated above regarding claim 15. Specifically, as discussed during the April 14 interview, Kusada fails to teach or suggest performing the A/D conversion of the analog signals that are held in the analog sample and hold circuit.

In addition, Fig. 11 of Kusada clearly shows that the analog video signals VB, VR and VG are input into the line memory circuit 142 of Fig. 14 and the video signals V1, V2 and V3 are output by the line memory circuit 142 through the source drivers 143-146, of Fig. 13. The Office Action interoperates this to believe that the analog sample and hold circuit 151 of the source drivers 143-146 of Fig. 13 outputs the analog video signals V1, V2 and V3 through the line memory circuit 142 of Fig. 14, when in fact the opposite is true.

Regarding claims 24, 25 and 26, it is respectfully submitted that the arguments regarding the rejections of these claims that were submitted in the Amendment filed on March 13, are maintained.

II. Conclusion

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 10-27 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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